



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Unilux AG,
Industriegebiet,
Nikolaus-Meeth-Strasse 1,
D 54528 Salmtal, Germany

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "DTS" Single Inswing Alum clad Wood French Door-L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-01291, titled "DTS" Aluminum Clad Wood In-Swing French Door, sheets 1 through 9 of 9, prepared by manufacturer, dated 12/13/11 and last revised on 03/13/2013, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Design Pressure Rating in sheet 2.
2. Units to be equipped with ROTO locking hardware mechanism shown in sheet 2.
3. Installation into wood substrate require min (2) 2X12 framing. Installation using 1X to be properly secured to transfer imposed load and to be reviewed by Bldg. official.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 12-0417.04
Expiration Date: April 18, 2018
Approval Date: April 18, 2013
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts drawings and sections.
2. Drawing No. **08-01291**, titled "DTS" Aluminum Clad Wood In-Swing French Door, sheets 1 through 9 of 9, prepared by manufacturer, dated 12/13/11 and last revised on 03/13/2013, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of a Single Inswing Alum clad Wood door, prepared by National Certified Testing Lab, Inc., Test Report No. **NCTL-210-3635-1**, dated 08/07/11, signed and sealed by Gerard J. Ferrara, P. E.

Note: This test report has been revised by an addendum letter dated 08/07/11 issued by National Certified Testing, signed and sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 02/06/12, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

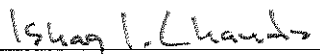
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ®", expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of conformance and letter of no financial interest, dated 01/24/11, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Distribution agreement dated 06/11/12 between Unilux AG, Salmtal, Germany signed by Alfred Meth and distributor Omega Material Alliance, 25711 Monroe Street, Suite #241, Astatula, FL.34705, signed by David Kirkpatrick, CEO.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 12-0417.04
Expiration Date: April 18, 2018
Approval Date: April 18, 2013

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	01/03/12	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HVHZ.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) PROPERLY SECURED 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR $C_d=1.6$ WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 5) FRAME MATERIAL: WOOD, SPECIFIC GRAVITY $G=0.5$ MINIMUM, $E=1,100$ KSI MINIMUM.
- 6) UNITS MUST BE GLAZED PER ASTM E1300-04 SEE SHEET 3 FOR GLAZING DETAIL.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 8) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM TO BE 1/4".
- 9) FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS THRU INSTALLATION CLIP WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT OR #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) FOR ANCHORING INTO METAL STRUCTURE USE #12 OR #14 SMS OR SELF DRILLING SCREWS SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 3 THREAD MINIMUM EMBEDMENT BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 12) ALL FASTENERS TO BE CORROSION RESISTANT.
- 13) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF $G=0.46$
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
- 14) HINGES ARE LOCATED AT 8", 50" AND 82" FROM HEAD FRAME.
- 15) THRESHOLD IS ASSEMBLED TO FRAME WITH (2) #8 X 1 3/4" SMS AT EACH END.

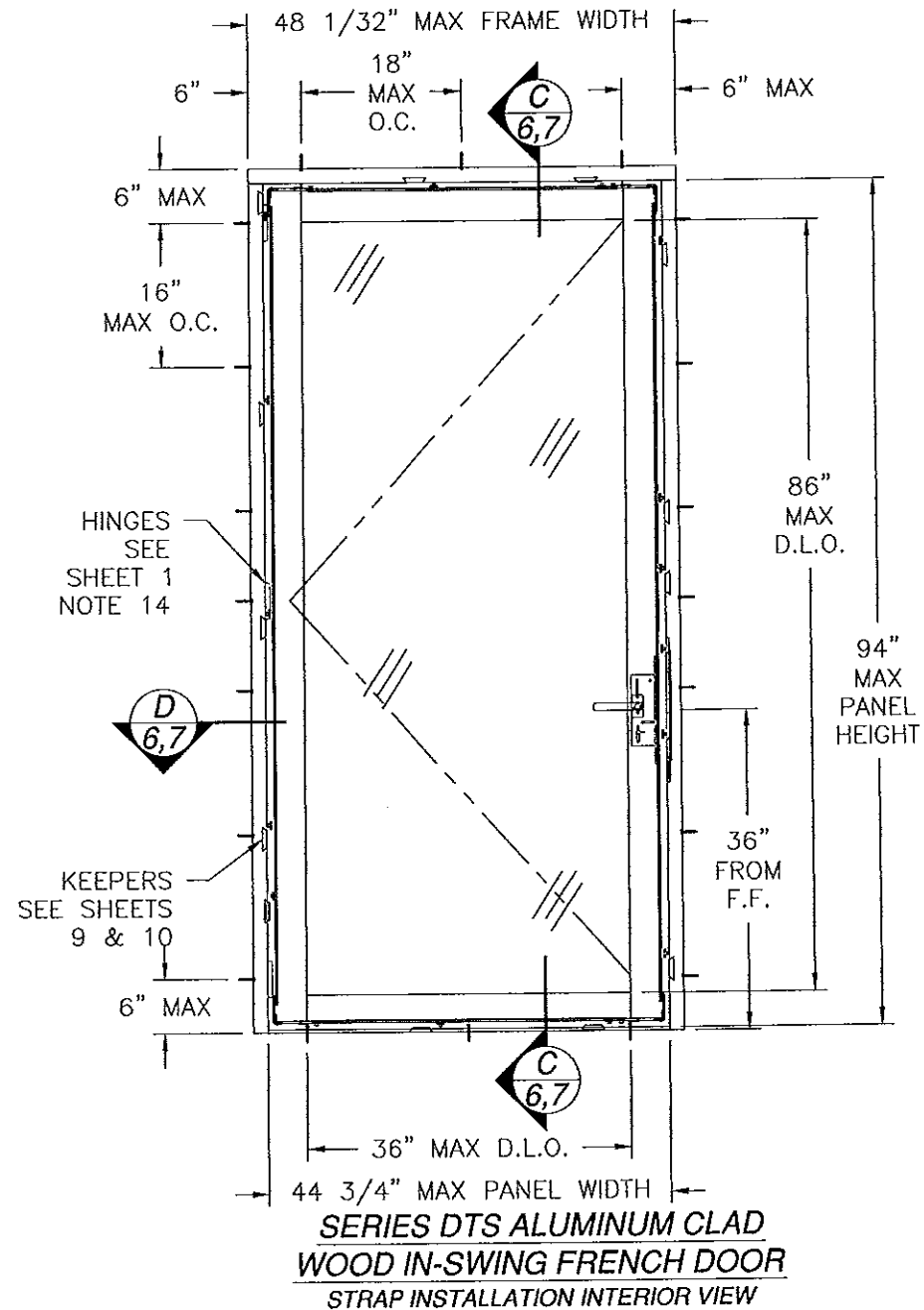
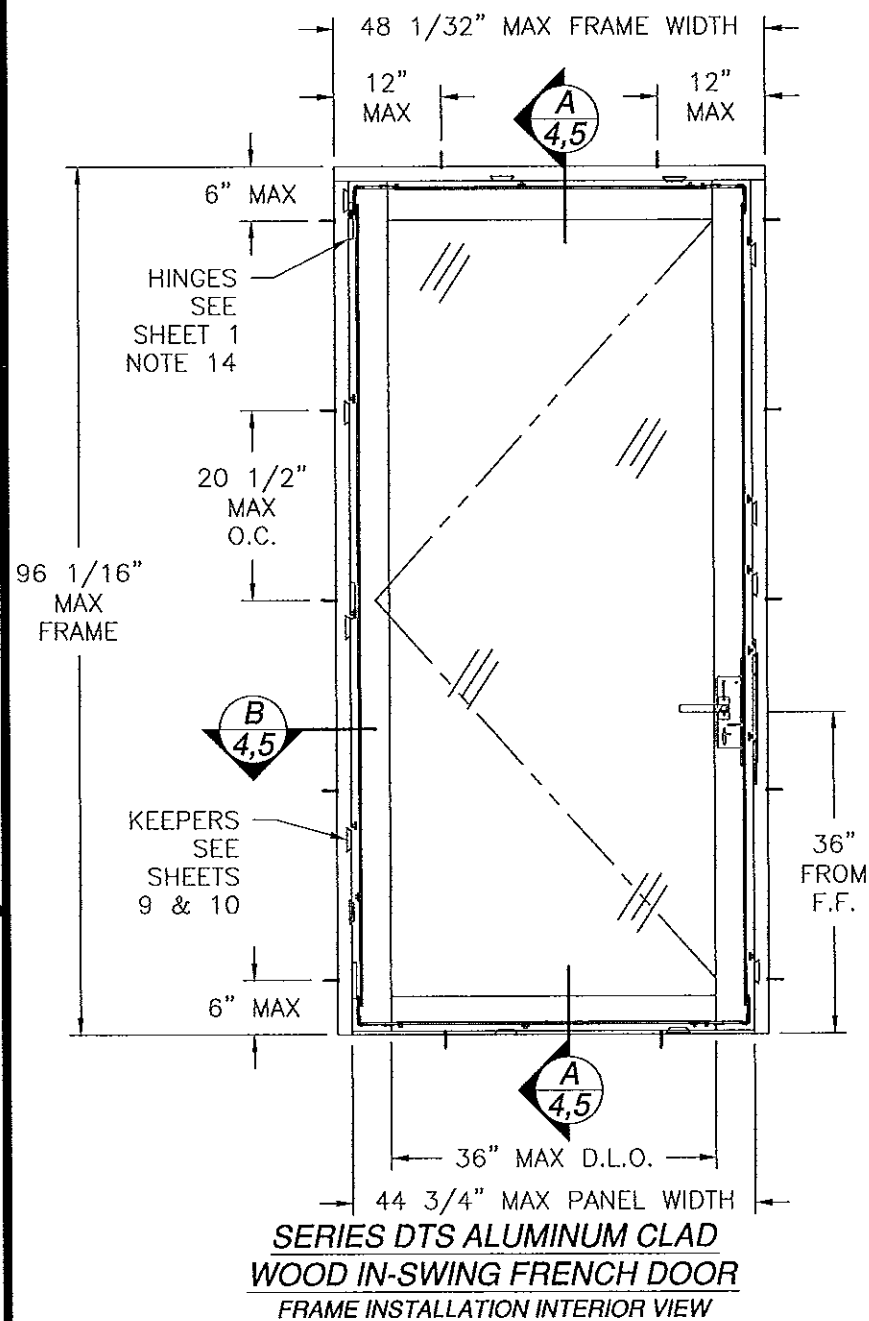
Approved as complying with the
Florida Building Code
Date APR 18, 2013
No. 12-0417-04
Michael R. Lomas Product Control
By Shaq L. Lomas

SIGNED: 03/13/2013

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	B.O.M., GLAZING DETAIL AND CROSS SECTIONS
4 - 7	INSTALLATION DETAILS
8 - 10	COMPONENTS AND HARDWARE

UNILUX FENSTER AND TUREN INDUSTRIGEBIET 54528 SALMTAL		
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING FRENCH DOOR 48" X 96" NOTES		
DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 1 OF 9

LUIS R. LOMAS
LICENSED
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	01/03/12	R.L.

Approved as complying with the
Florida Building Code
Date 4/18/13
NOA# 12-0417-04
Miami Dade Product Control
By Shag L. Chanda

DESIGN PRESSURE RATING		IMPACT RATING
+60/-80PSF	+70/-80PSF	LARGE MISSILE IMPACT
WHERE WATER INFILTRATION IS NEEDED	WHERE WATER INFILTRATION IS NOT NEEDED	

UNILUX FENSTER AND TUREN
INDUSTRIGBIET
54528 SALMTAL

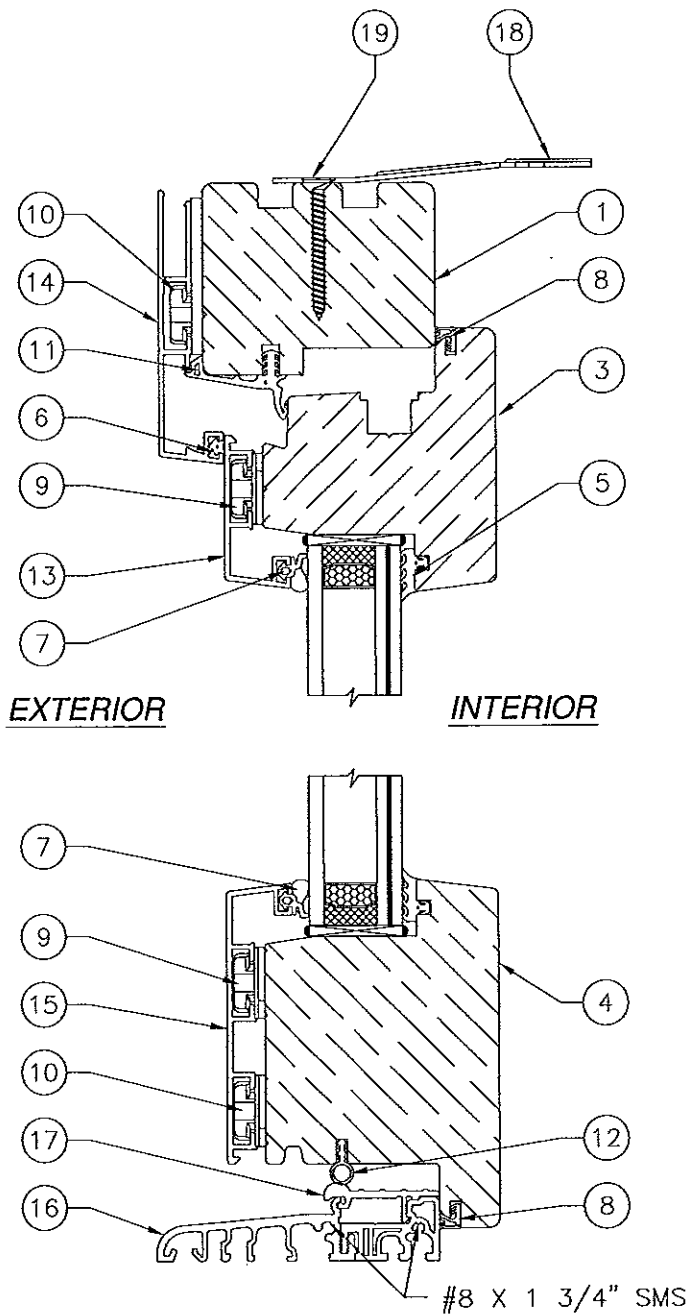
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING
FRENCH DOOR 48" X 96"
ELEVATIONS

DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 2 OF 9

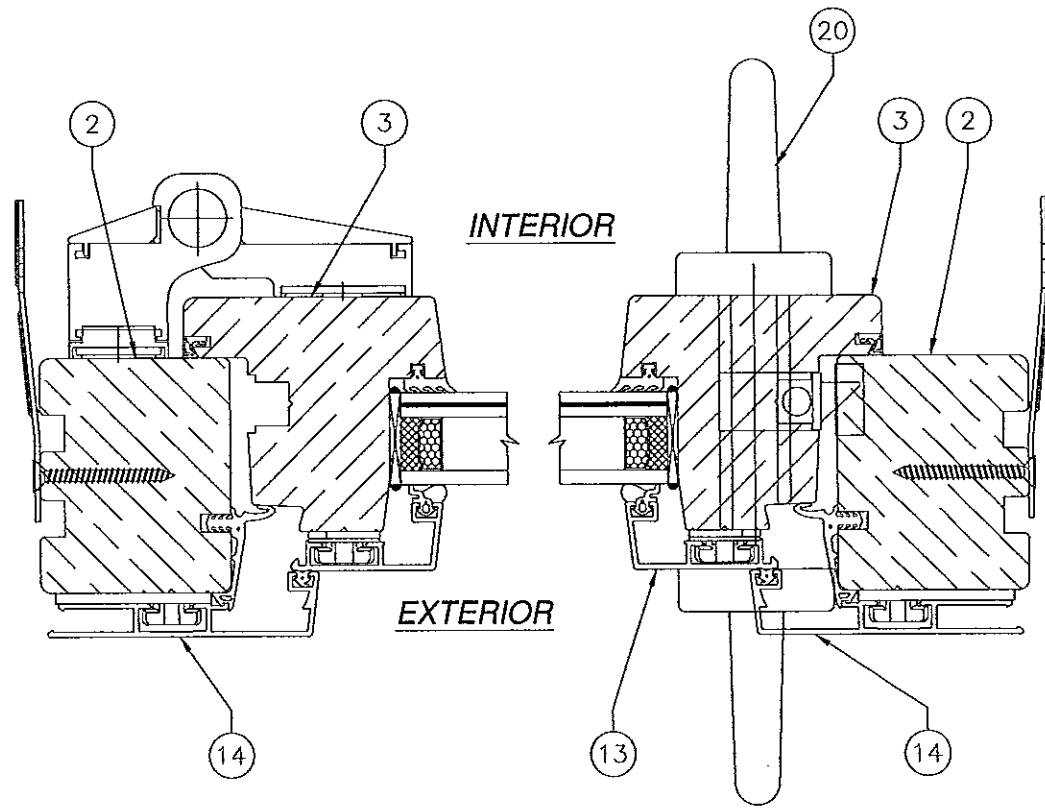
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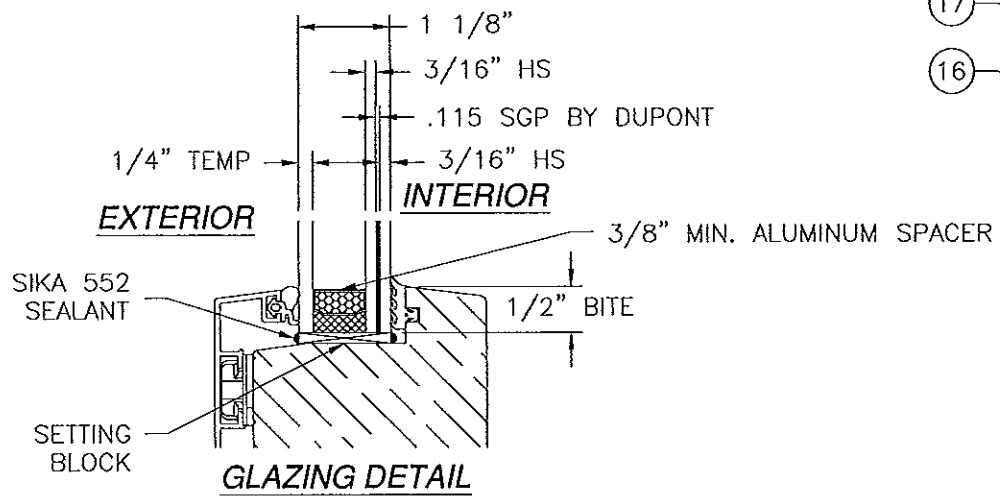
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	F41-0007-1	FRAME, TOP	UNILUX	WOOD (SEE NOTE 5)
2	F41-0006-1	FRAME, SIDE	UNILUX	WOOD (SEE NOTE 5)
3	F41-0001	FRAME, PANEL	UNILUX	WOOD (SEE NOTE 5)
4	F41-0097	FRAME PANEL SILL	UNILUX	WOOD (SEE NOTE 5)
5	E41-1002	GLAZING GASKET INTERIOR	UNILUX	RUBBER EPDM
6	E41-1003	FRAME GASKET	UNILUX	RUBBER EPDM
7	E41-1001	GLAZING GASKET EXTERIOR	UNILUX	RUBBER EPDM
8	E41-1006	SASH GASKET	UNILUX	RUBBER EPDM
9	E41-0114	FASTENER SASH	UNILUX	PLASTICS GF30
10	E41-0116	FASTENER FRAME	UNILUX	PLASTICS GF30
11	E41-1012	FRAME GASKET MIDDLE	UNILUX	RUBBER EPDM
12	E41-1021	SASH GASKET	UNILUX	RUBBER EPDM
13	E43-0001	SASH CLADDING	UNILUX	ALUMINUM 6060-T5
14	E43-0002	FRAME CLADDING	UNILUX	ALUMINUM 6060-T5
15	E43-0005	SILL CLADDING	UNILUX	ALUMINUM 6060-T5
16		SILL	UNILUX	ALUMINUM 6060-T5
17		SILL COVER	UNILUX	ALUMINUM 6060-T5
18	E41-2015-2	INSTALLATION CLIP	UNILUX	STEEL
19		#6 X 1 1/2" WOOD SCREW	UNILUX	STEEL
20		LOCK	ROTO	SEE SHEETS 9&10



VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION



GLAZING DETAIL

REVISIONS			
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A	REVISED PER MD COMMENTS	01/03/12	R.L.

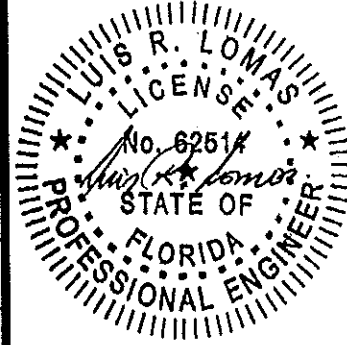
Approved as complying with the
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Date 4/15/13
R/L
12-0417-04
Miami State Product Control
By [Signature]

SIGNED: 03/13/2013

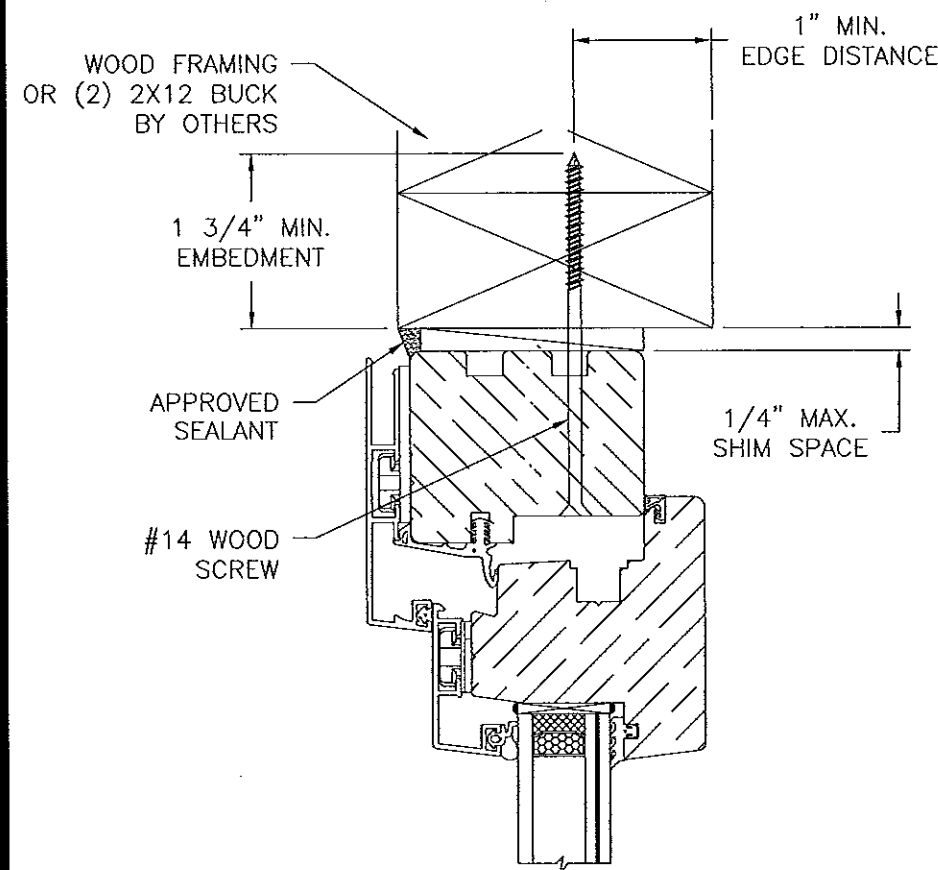
UNILUX FENSTER AND TUREN
INDUSTRIGEBIET
54528 SALMTAL

SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING
FRENCH DOOR 48" X 96"
B.O.M., GLAZING DETAIL AND CROSS SECTIONS

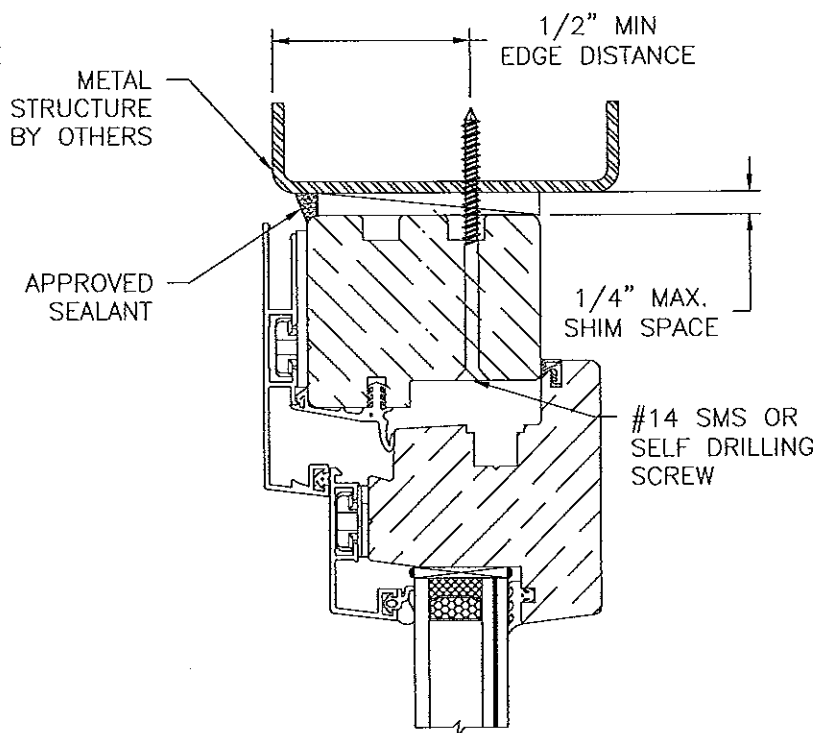
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SCALE NTS	DATE 12/13/11	SHEET 3 OF 9



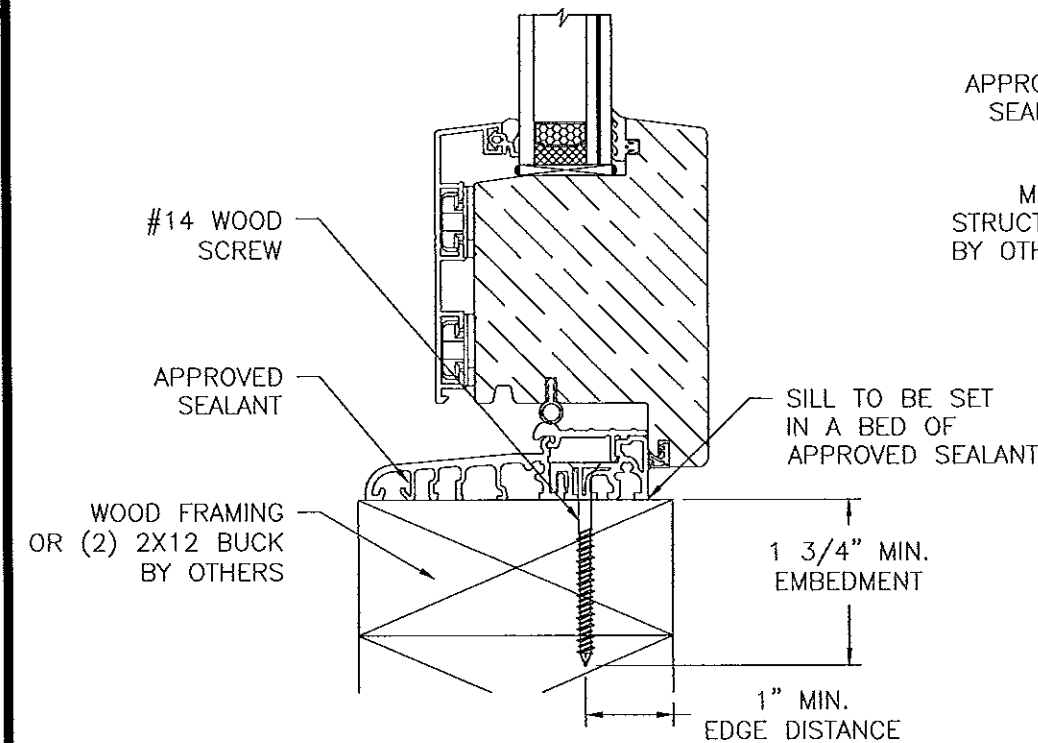
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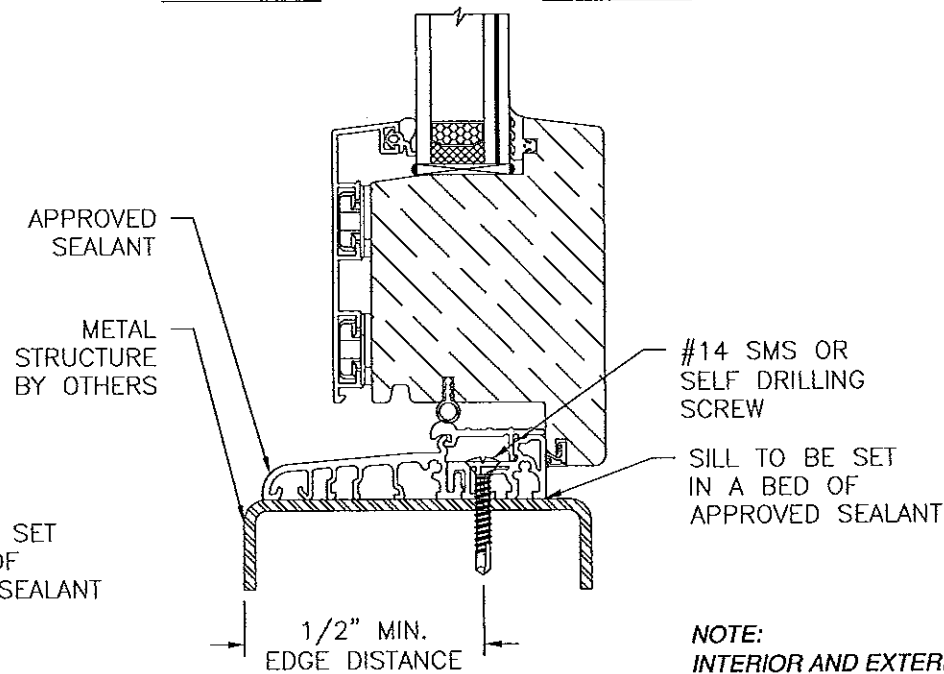
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FRAME INSTALLATION
WOOD FRAMING OR (2) 2X12 BUCK



SECTION
FRAME INSTALLATION
METAL STRUCTURE

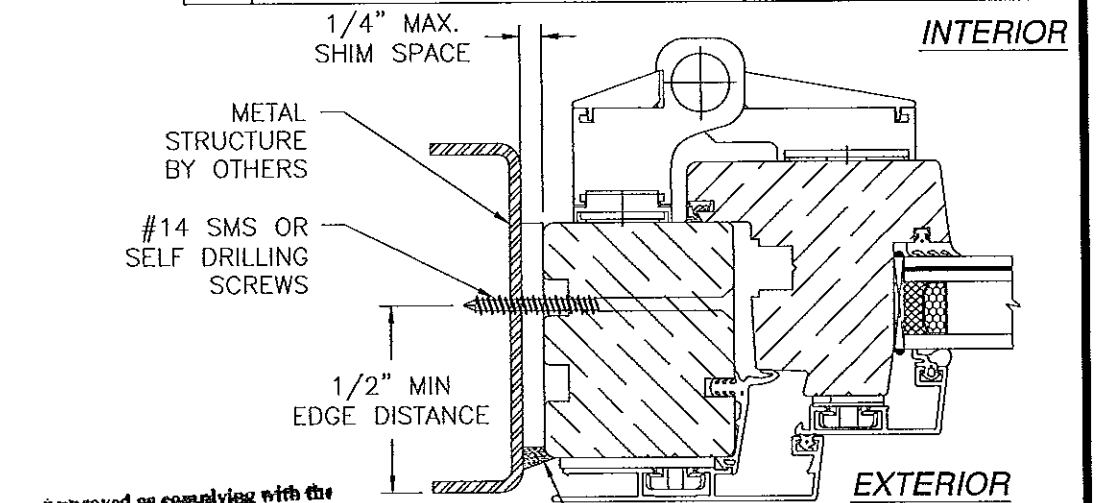


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WOOD FRAMING OR (2) 2X12 BUCK

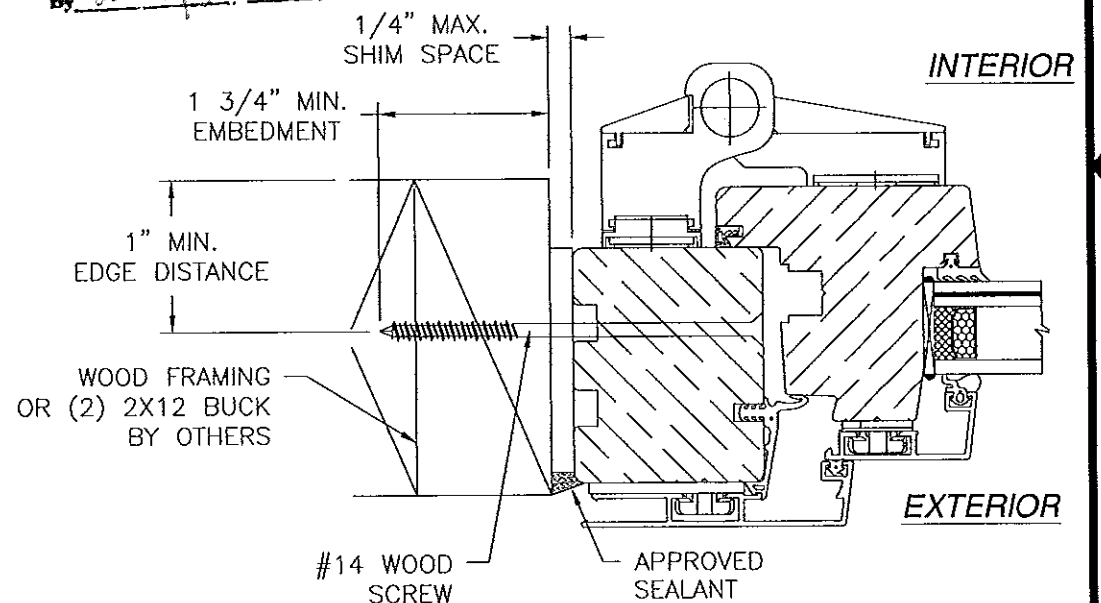


SECTION
FRAME INSTALLATION
METAL STRUCTURE

NOTE:
INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT
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SECTION
FRAME INSTALLATION
METAL STRUCTURE



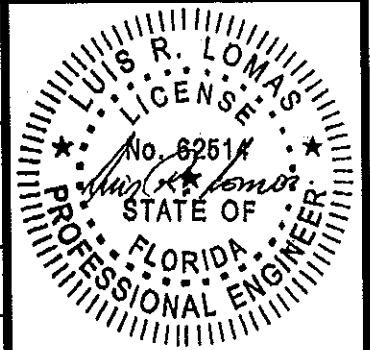
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WOOD FRAMING OR (2) 2X12 BUCK

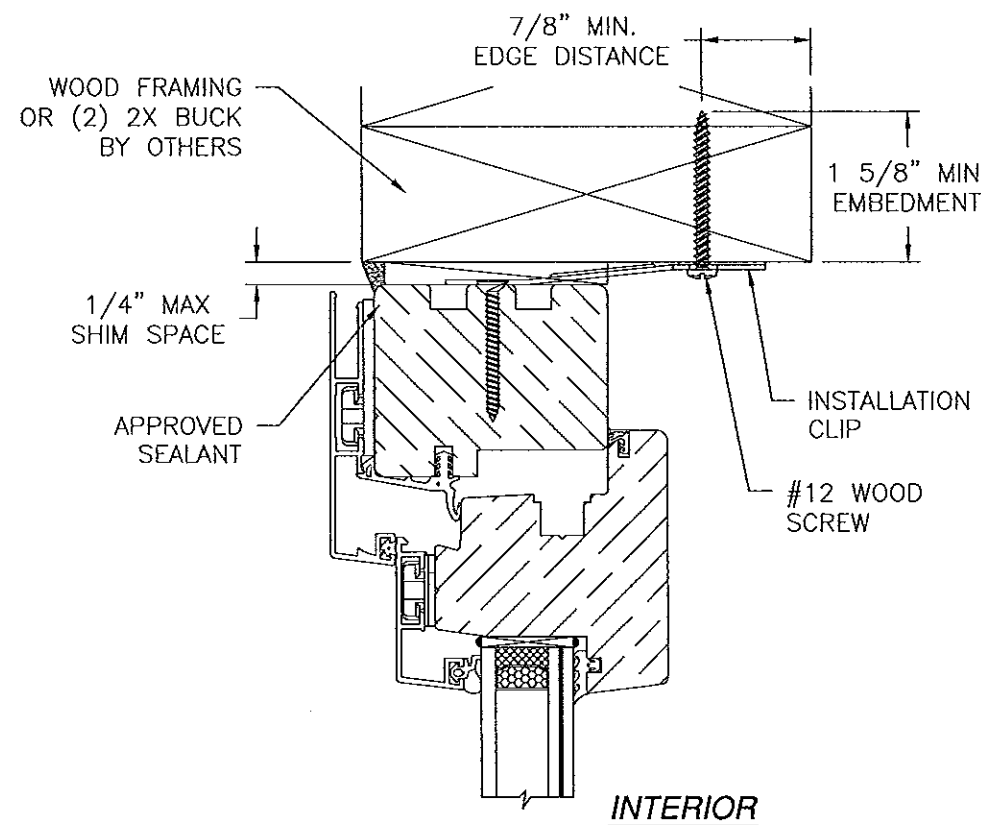
UNILUX FENSTER AND TUREN

INDUSTRIGEBIET
54528 SALMTAL

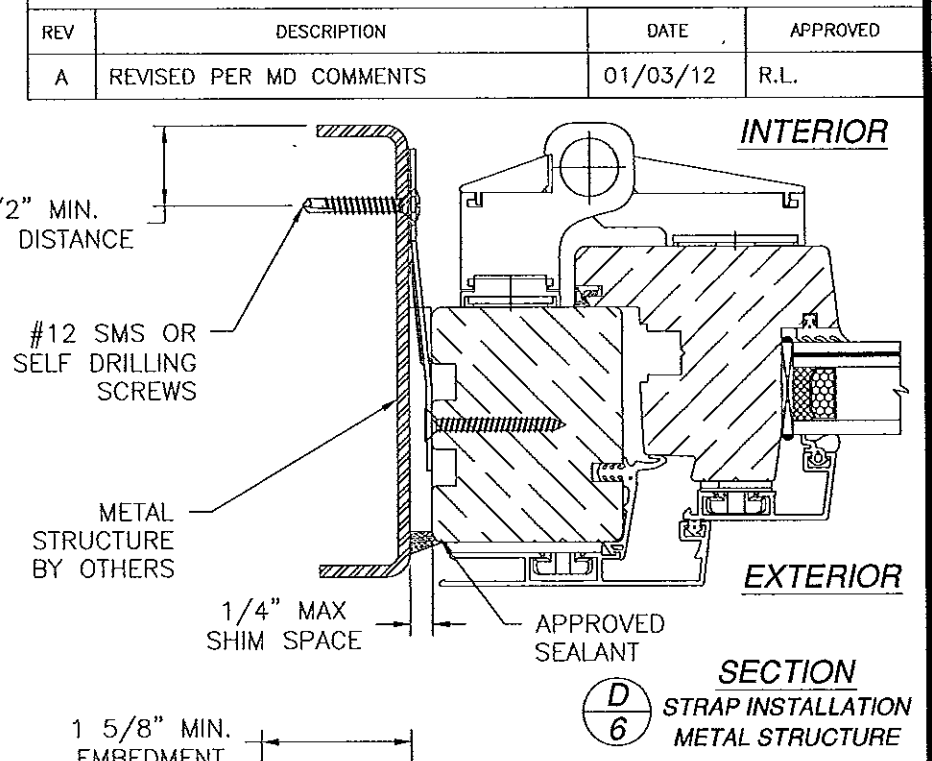
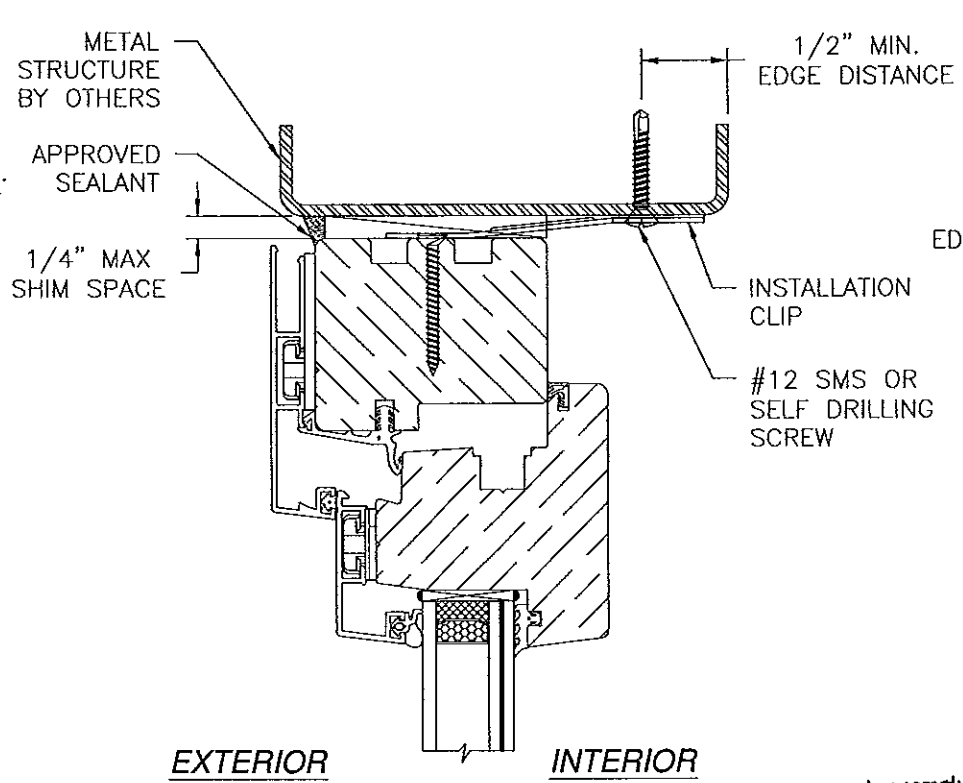
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING
FRENCH DOOR 48" X 96"
INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 4 OF 9

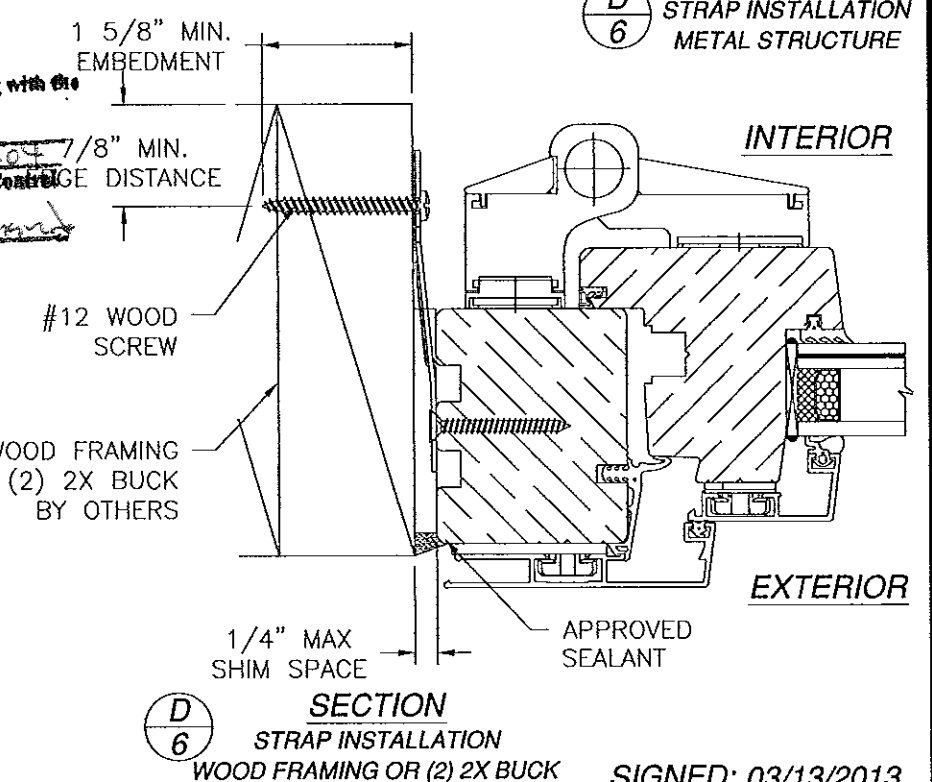
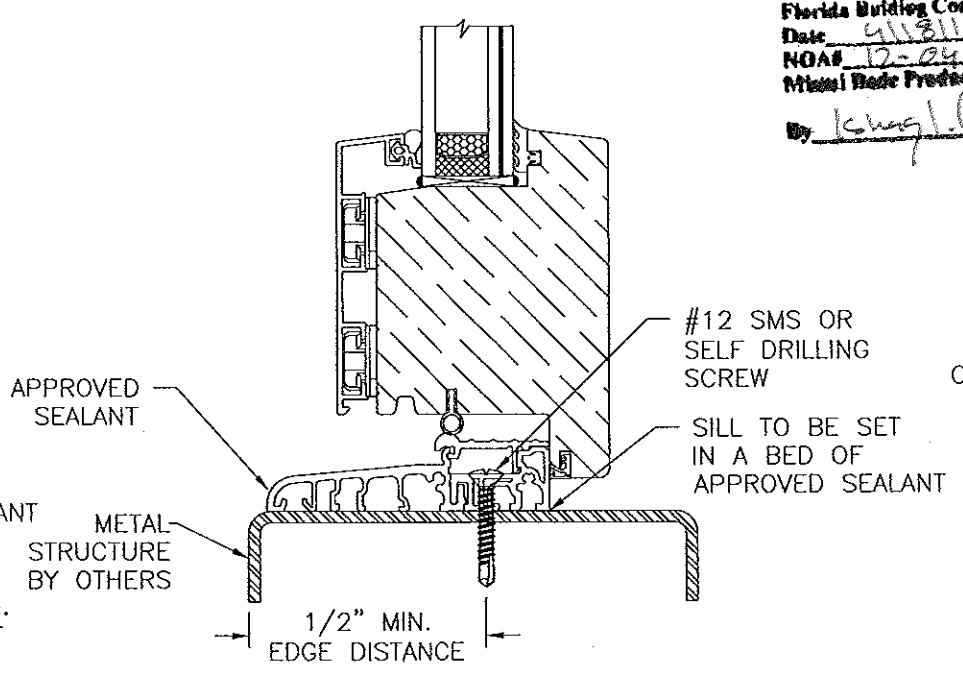
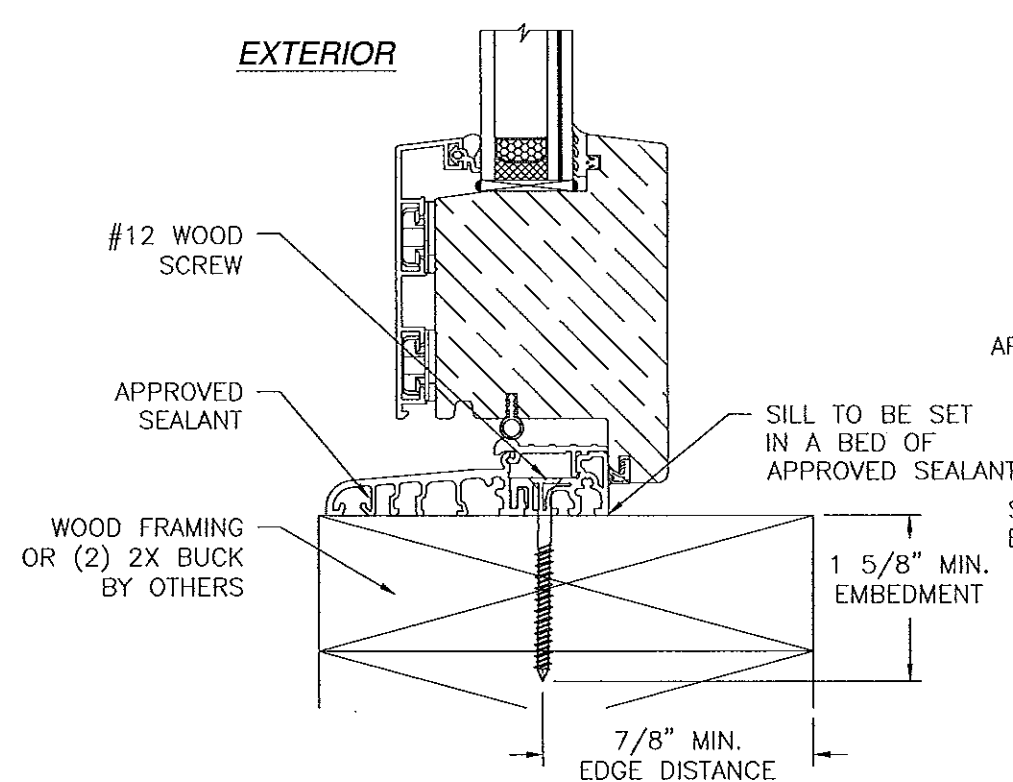




SECTION C
STRAP INSTALLATION
WOOD FRAMING OR (2) 2X12 BUCK



SECTION D
STRAP INSTALLATION
METAL STRUCTURE



SECTION D
STRAP INSTALLATION
WOOD FRAMING OR (2) 2X BUCK

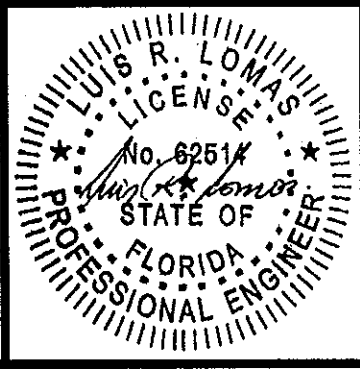
SIGNED: 03/13/2013

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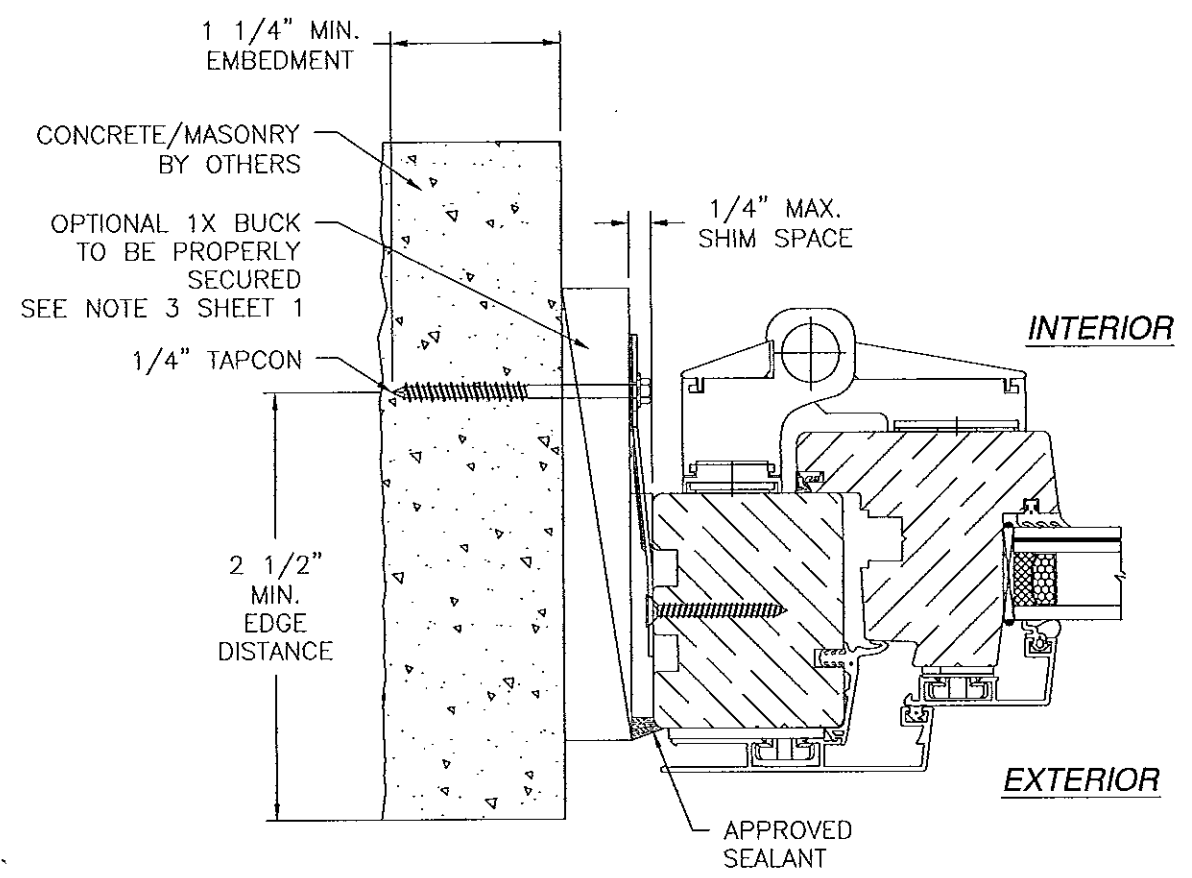
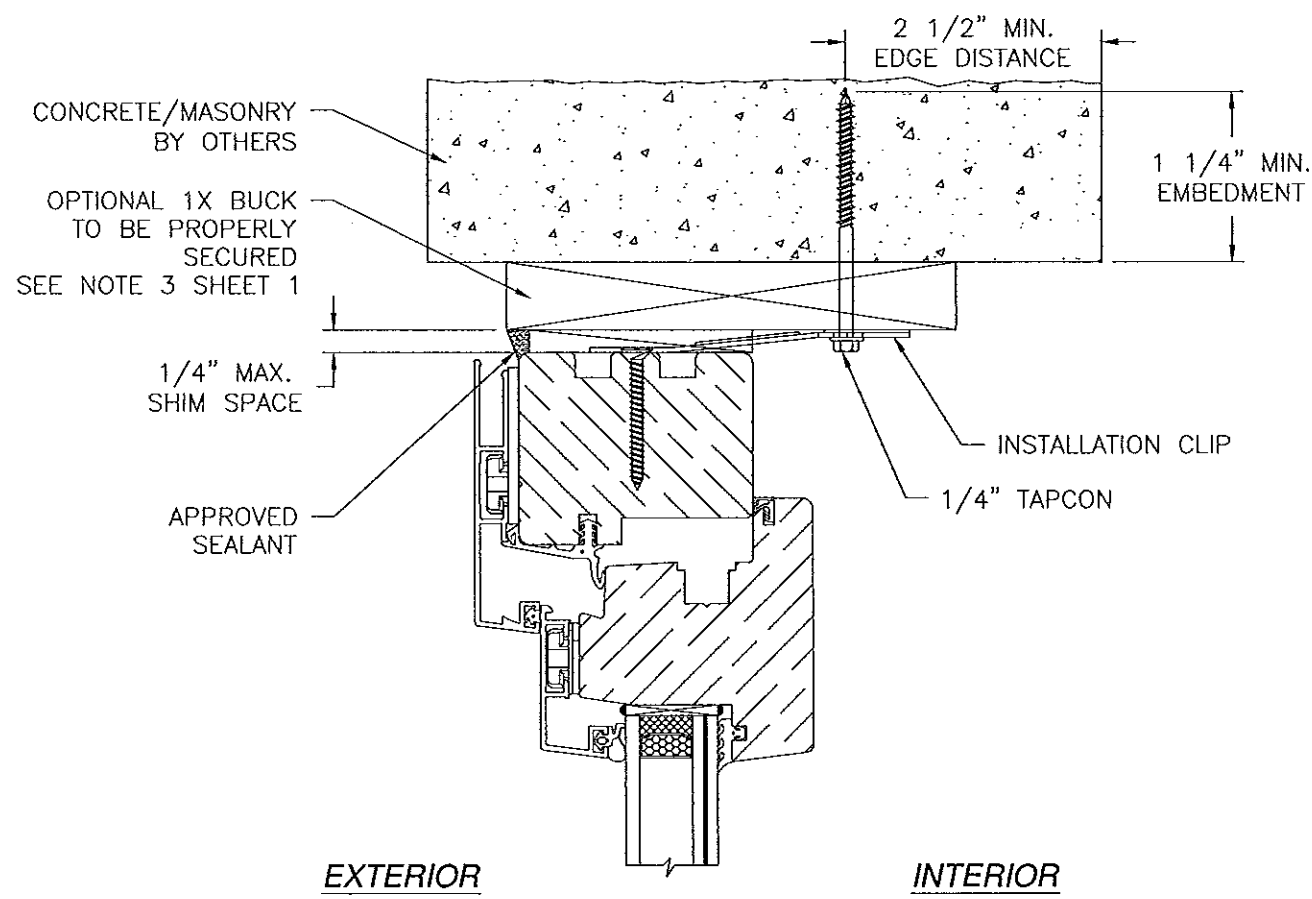
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Miami Code Product Control
By: [Signature]

NOTE:
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UNILUX FENSTER AND TUREN INDUSTRIEGEBIET 54528 SALMTAL		
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING FRENCH DOOR 48" X 96" INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 6 OF 9



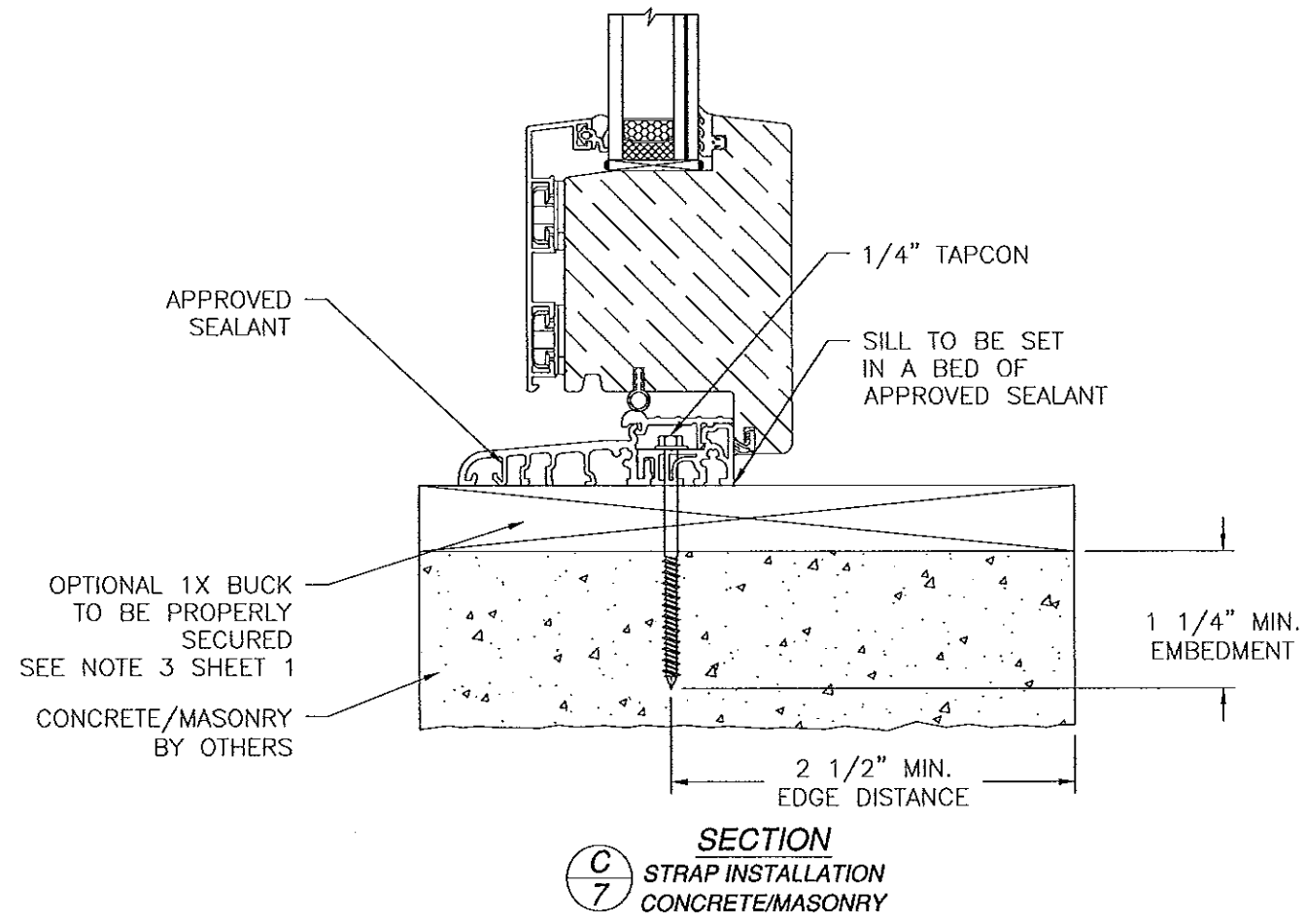
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SECTION D/7
STRAP INSTALLATION
CONCRETE/MASONRY

Approved as complying with the
Florida Building Code
Date 4/18/13
NOA# 12-0917-04
Missile Dade Product Control
By Shirley L. Lomas

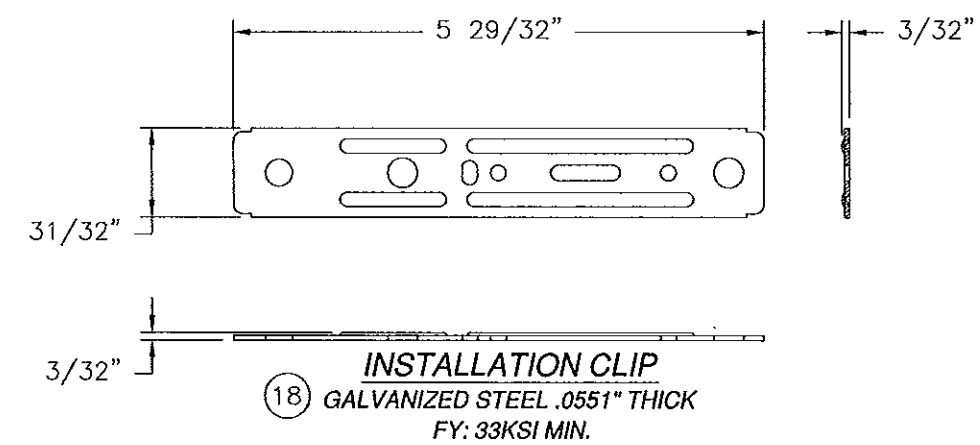
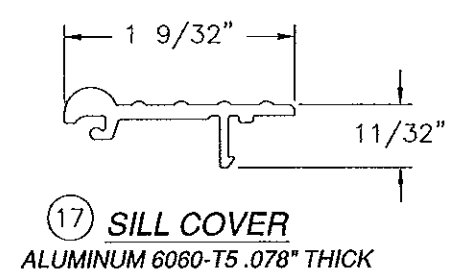
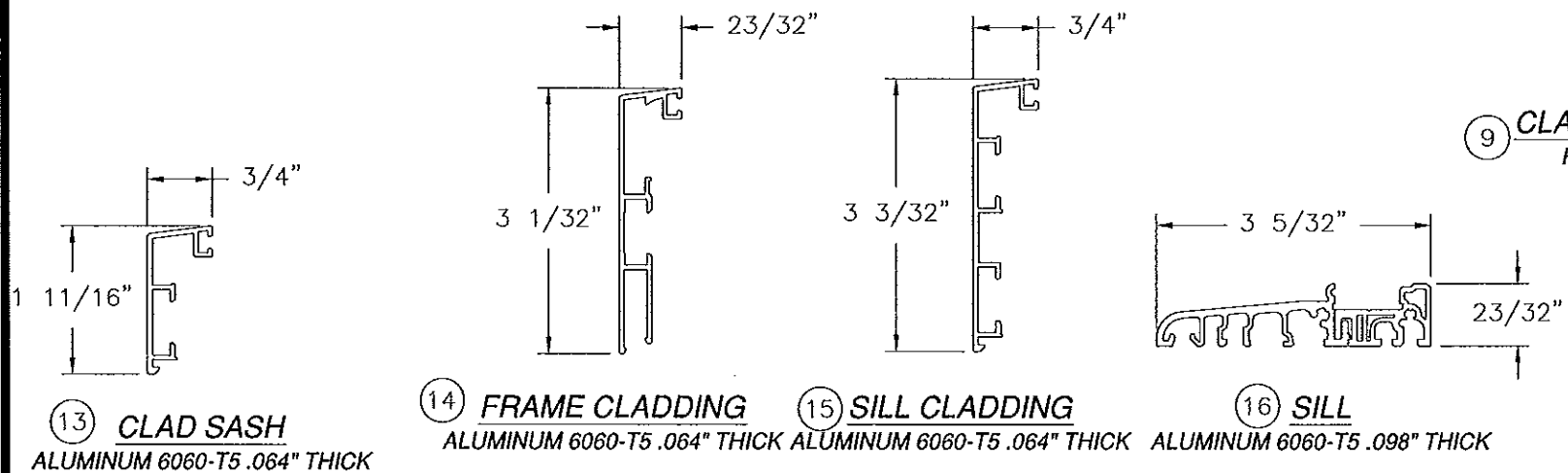
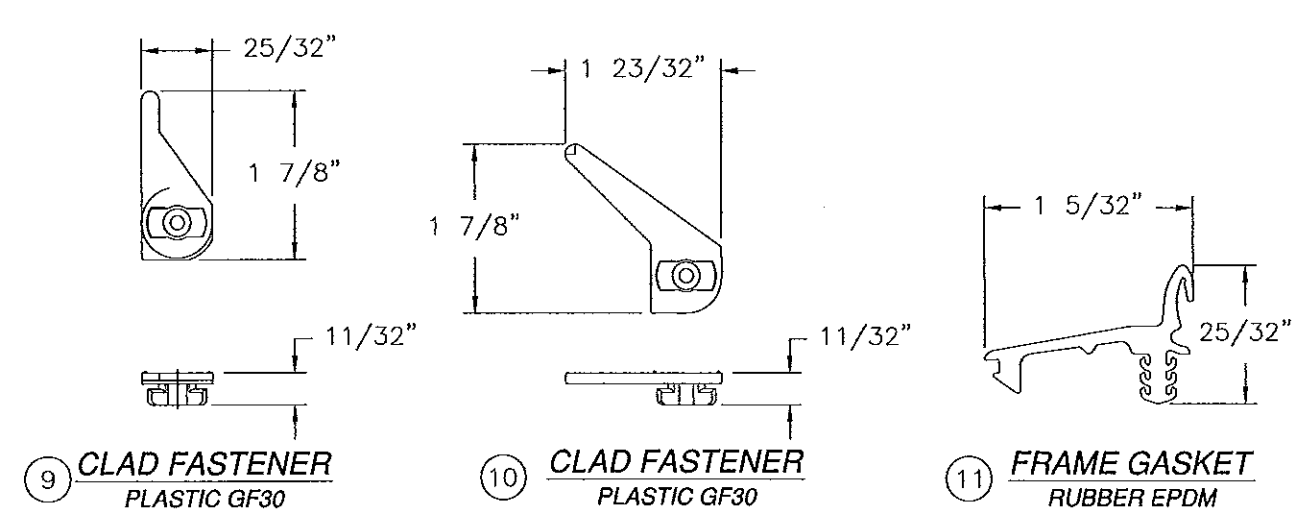
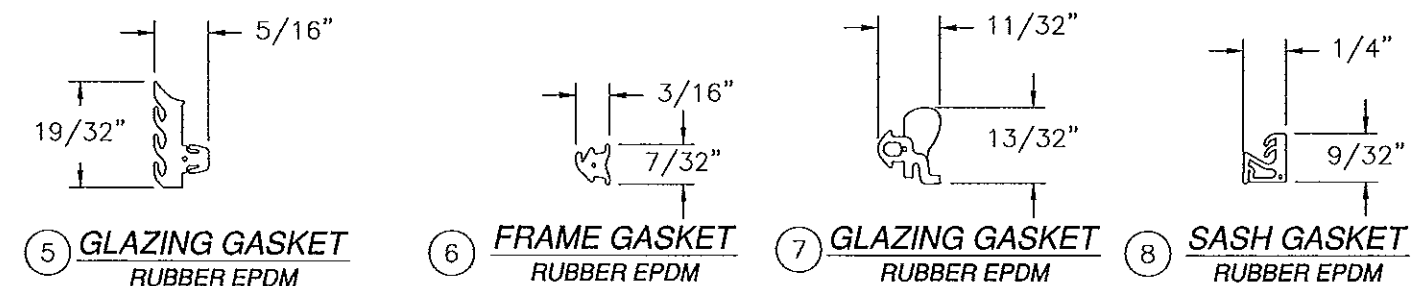
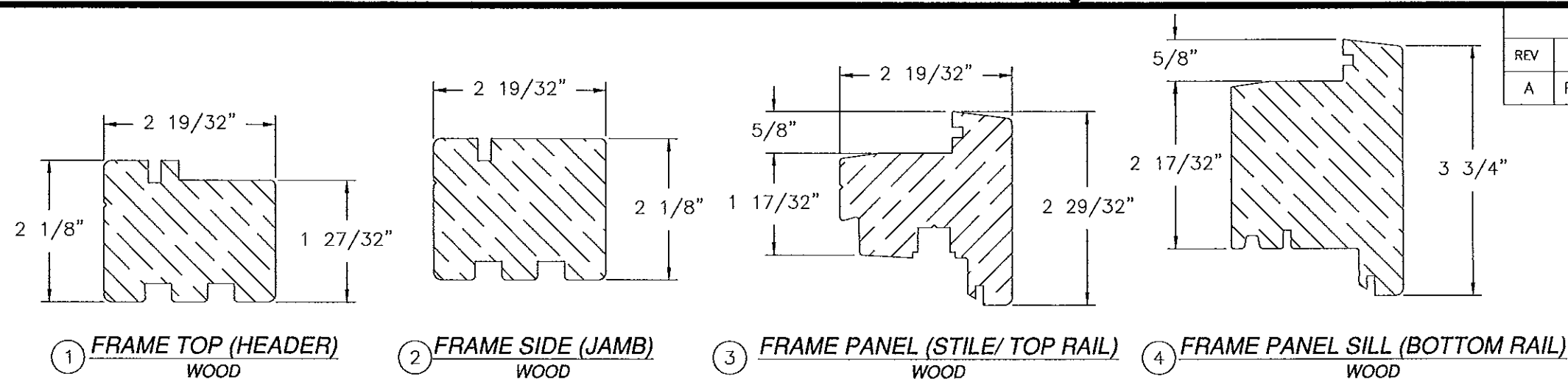
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SECTION C/7
STRAP INSTALLATION
CONCRETE/MASONRY

SIGNED: 03/13/2013

UNILUX FENSTER AND TUREN INDUSTRIEGEBIET 54528 SALMTAL			
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING FRENCH DOOR 48" X 96" INSTALLATION DETAILS			
DRAWN: R.L.	DWG NO. 08-01291	REV A	
SCALE NTS	DATE 12/13/11	SHEET 7 OF 9	

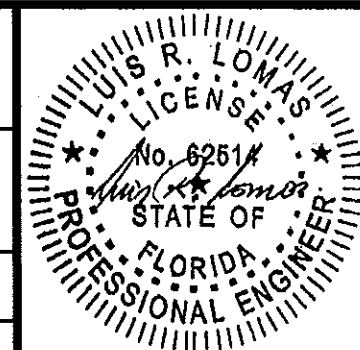


REVISIONS			
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Approved as complying with the
Florida Building Code
Date 4/12/13
NOA# 12-2417-04
Miami Dade Product Control
By [Signature]

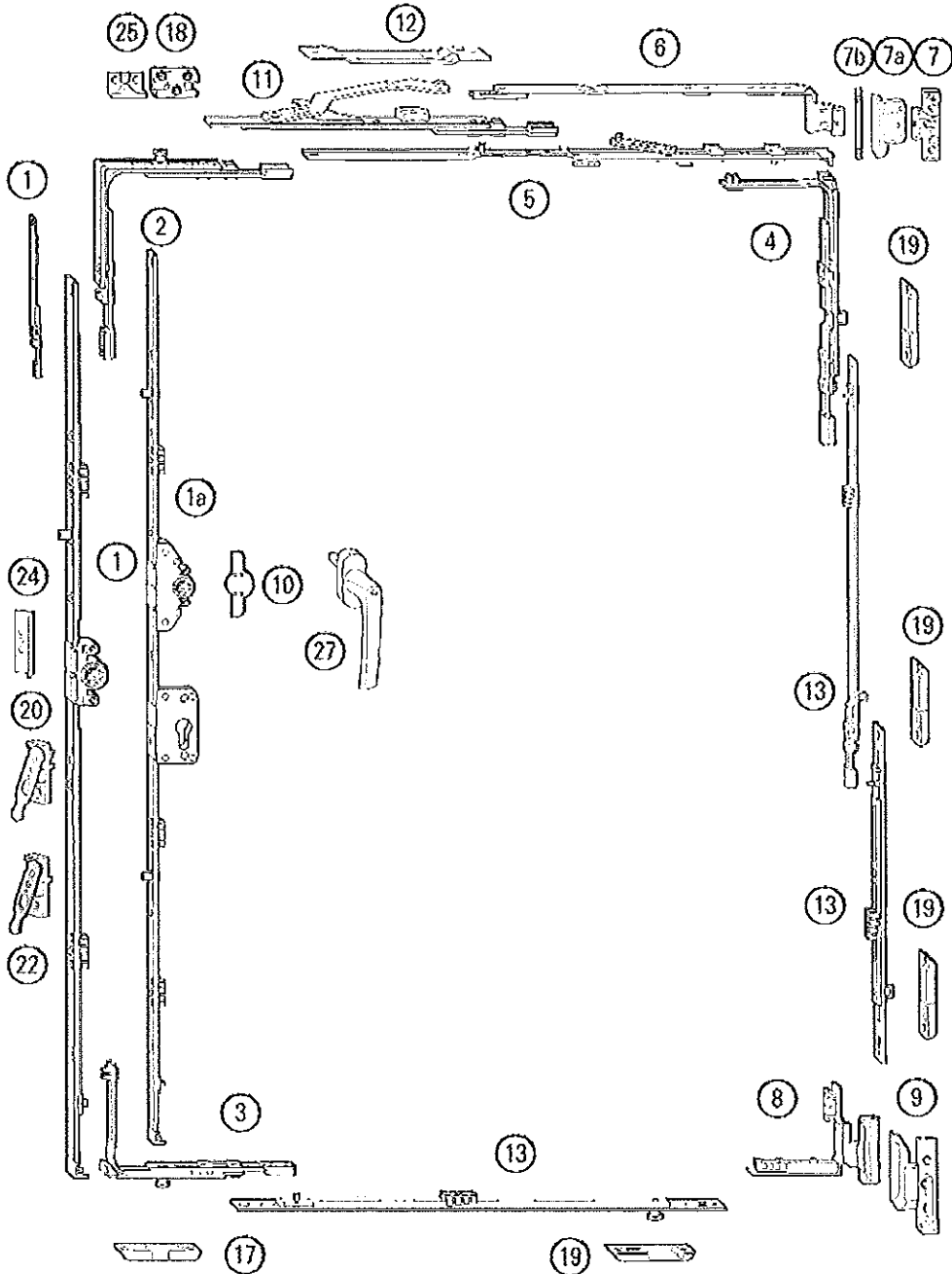
SIGNED: 03/13/2013

UNILUX FENSTER AND TUREN INDUSTRIEGEBIET 54528 SALMTAL		
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING FRENCH DOOR 48" X 96" COMPONENTS		
DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 8 OF 9



HARDWARE PARTS LIST			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER
1	259853+308267	TILT/TURN LOCK GEAR	ROTO
2	260272	CORNER DRIVE HEAD FRONT	ROTO
3	260288	CORNER DRIVE BOTTOM FRONT	ROTO
4	260294	STAY CORNER DRIVE	ROTO
5	287528	SASH STAY GUIDE	ROTO
6	262377	STAY ARM	ROTO
7	230187	SASH STAY HINGE	ROTO
7A	355618	MOULDING-COVER AT HINGE	ROTO
7B	227354	HINGE PIN	ROTO
8	262388	REBATE CORNER HINGE	ROTO
9	355620	CORNER PIVOT REST	ROTO
10	264601	DRILL PROTECTION	ROTO
11	315999	SCISSOR STAY, SASH PART	ROTO
12	330595	SCISSOR STAY, FRAME PART	ROTO
13	337711 + 296853	MULTIPART CENTER LOCK	ROTO
17	355608	STRIKER FOR TILT FUNCTION	ROTO
18	355611	STRIKER (HEAD)	ROTO
19	355610	SAFETY STRIKER	ROTO
20	260538	SASH LIFTER, SASH PART	ROTO
22	284220	SPECIAL SASH LIFTER	ROTO
24	329981	MAGNETIC CATCH	ROTO
25	260527	SLOT-VENT	ROTO
27	GFORA	HANDLE	ROTO

ITEMS 14, 15, 16 21, 23 AND 26 ARE NOT USED.



DTS HARDWARE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	01/03/12	R.L.

Approved as complying with the
Florida Building Code
Date APR 13 2013
NOA# 12-0417-04
Miami Dade Product Control
By Shag L. Grant

SIGNED: 03/13/2013

UNILUX FENSTER AND TUREN INDUSTRIGEBIET 54528 SALMTAL		
SERIES "DTS" ALUMINUM CLAD WOOD IN-SWING FRENCH DOOR 48" X 96" HARDWARE		
DRAWN: R.L.	DWG NO. 08-01291	REV A
SCALE NTS	DATE 12/13/11	SHEET 9 OF 9

